## **Author Index**

Antiochia, R.

-, Cass, A.E.G. and Palleschi, G.

Purification and sensor applications of an oxygen insensitive, thermophilic diaphorase 17

Arias, M.E., see Rodríguez, J. 121

Baker, B., see Gemperline, P.J. 155

Ballerstadt, R.

- and Schultz, J.S.

Competitive-binding assay method based on fluorescence quenching of ligands held in close proximity by a multivalent receptor 203

Batchelor, B., see Gemperline, P.J. 155

Beckett, R., see Contado, C. 99

Biosca, Y.M.

- and Ramis-Ramos, G.

Optical saturation thermal lens spectrometry in non-polar solvents 257

Blanco, P.T., see Villamil, M.J.F. 37

Bocchini, P., see Rodríguez, J. 121

Bond, A.M.

Mahon, P.J., Schiewe, J. and Vicente-Beckett, V.
An inexpensive and renewable pencil electrode for use in field-

based stripping voltammetry 67 Botsoglou, N.A., see Fletouris, D.J. 111

Cámara, C., see Pérez-Corona, T. 249

Candolfi, A.

—, Massart, D.L. and Heuerding, S.

Investigation of sources of variance which contribute to NIRspectroscopic measurement of pharmaceutical formulations 185

Casero, I.

-, Sicilia, D., Rubio, S. and Pérez-Bendito, D.

Analytical potential of mixed micelle-based methodology for the determination of ionic surfactants 75

Cass, A.E.G., see Antiochia, R. 17

Chan, H.S.O., see Zhou, X.C. 29

Cho, J.H., see Gemperline, P.J. 155

Ci, Y.-x., see Liu, X.-j. 213

Contado, C.

-, Dondi, F., Beckett, R. and Giddings, J.C.

Separation of particulate environmental samples by SPLITT fractionation using different operating modes 99

Daghbouche, Y.

—, Garrigues, S., Morales-Rubio, A. and de la Guardia, M. Evaluation of extraction alternatives for Fourier transform infrared spectrometric determination of oil and greases in water 161

De Bellis, G.

- and Salani, G.

Oligonucleotide analysis by capillary zone electrophoresis at low pH 1

de la Guardia, M., see Daghbouche, Y. 161

Dondi, F., see Contado, C. 99

Dong, S., see Liu, Z. 147

Downard, A.J.

—, Lenihan, R.J., Simpson, S.L., O'Sullivan, B. and Powell, K.J. The aluminium(III)—4-nitrocatechol system: potentiometry, voltammetry and application to the determination of reactive Al(III) 5

Fletouris, D.J.

-, Botsoglou, N.A., Psomas, I.E. and Mantis, A.I.

Determination of the marker residue of albendazole in milk using ion-pair liquid chromatography and fluorescence detection 111

Galletti, G.C., see Rodríguez, J. 121

Garrigues, S., see Daghbouche, Y. 161

Gemperline, P.J.

-, Cho, J.H., Baker, B., Batchelor, B. and Walker, D.S.

Determination of multicomponent dissolution profiles of pharmaceutical products by in situ fiber-optic UV measurements 155 Giddings, J.C., see Contado, C. 99

Hernández, M., see Rodríguez, J. 121

Hernández-Coronado, M.J., see Rodríguez, J. 121

Heuerding, S., see Candolfi, A. 185

Hiyama, T.

-, Takahashi, T. and Kamimura, K.

Determination of nitrogen in uranium-plutonium mixed oxide fuel by gas chromatography after fusion in an inert gas atmosphere 131

Hosten, E.

- and Rohwer, H.

Interaction of anions with arsenazo III-lanthanide (III) complexes 227

Huang, C.Z.

-, Li, K.A. and Tong, S.Y.

Spectrophotometry of nucleic acids by their effect on the complex of cobalt(II) with 4-[(5-chloro-2-pyridyl)azo]-1,3-diaminobenzene 235

Ikeda, S., see Mishima, Y. 45 Iwuoha, E.I., see Lu, B. 59

Ju. H.

- and Leech, D.

[Os(bpy)<sub>2</sub>(PVI)<sub>10</sub>Cl]Cl polymer-modified carbon fiber electrodes for the electrocatalytic oxidation of NADH 51

Kamimura, K., see Hiyama, T. 131 Kohlmann, M., see Louis, D. 219

Leech, D., see Ju, H. 51

Lenihan, R.J., see Downard, A.J. 5

Leussink, E.D., see Luinge, H.J. 173

Li, K.A., see Huang, C.Z. 235 Li, S.F.Y., see Zhou, X.C. 29

Li, Y.-z., see Liu, X.-j. 213

Liu, X.-j.

-, Li, Y.-z. and Ci, Y.-x.

Time-resolved fluorescence studies of the interaction of the Eu<sup>3+</sup> complexes of tetracycline analogues with DNA 213

I in 7

-, Xi, X., Dong, S. and Wang, E.

Liquid chromatography-amperometric detection of nitrite using a polypyrrole modified glassy carbon electrode doped with tungstodiphosphate anion 147

Louis, D.

-, Kohlmann, M. and Wallach, J.

Spectrophotometric assay for amidolytic activity of alkaline protease from Pseudomonas aeruginosa 219

Lu, B.

-, Iwuoha, E.I., Smyth, M.R. and O'Kennedy, R.

Development of an "electrically wired" amperometric immunosensor for the determination of biotin based on a non-diffusional redox osmium polymer film containing an antibody to the enzyme label horseradish peroxidase 59

Luinge, H.J.

-, Leussink, E.D. and Visser, T.

Trace-level identity confirmation from infrared spectra by library searching and artificial neural networks 173

Madrid, Y., see Pérez-Corona, T. 249

Mahon, P.J., see Bond, A.M. 67

Mantis, A.I., see Fletouris, D.J. 111

Massart, D.L., see Candolfi, A. 185

Mishima, Y.

-, Motonaka, J. and Ikeda, S.

Utilization of an osmium complex as a sequence recognizing material for DNA-immobilized electrochemical sensor 45

-, Sicilia, D., Rubio, S. and Pérez-Bendito, D.

Application of micellar effects to the simultaneous kinetic determination of pyridoxal and pyridoxal-5'-phosphate 87 Morales-Rubio, A., see Daghbouche, Y. 161 Motonaka, J., see Mishima, Y. 45

Ng, S.C., see Zhou, X.C. 29

O'Kennedy, R., see Lu, B. 59

O'Sullivan, B., see Downard, A.J. 5

Ordieres, A.J.M., see Villamil, M.J.F. 37

Palleschi, G., see Antiochia, R. 17

Pérez-Bendito, D., see Casero, I. 75

Pérez-Bendito, D., see Morales, F. 87

Pemara, C.

Evaluation of selective uptake of selenium (Se(IV) and Se(VI)) and antimony (Sb(III) and Sb(V)) species by baker's yeast cells (Saccharomyces cerevisiae) 249

Powell, K.J., see Downard, A.J. 5

Preston, M., see Whitehouse, M.J. 197

Psomas, I.E., see Fletouris, D.J. 111

Ramis-Ramos, G., see Biosca, Y.M. 257

Rodrindez-Coronado, M.J., Hernández, M., Bocchini, P., Galletti, G.C. and Arias, M.E.

Chemical characterization by pyrolysis/gas chromatography/ mass spectrometry of acid-precipitable polymeric lignin (APPL) from wheat straw transformed by selected *streptomyces* strains

Rohwer, H., see Hosten, E. 227

Rubio, S., see Casero, I. 75

Rubio, S., see Morales, F. 87

Salani, G., see De Bellis, G. 1

Schiewe, J., see Bond, A.M. 67 Schultz, J.S., see Ballerstadt, R. 203

Shouan, D.

- and Xiaoyun, Y.

Spectrophotometric and coulometric titration investigations of oxidation states and forms of ruthenium(IV) in hydrochloric acid solutions 243

Sicilia, D., see Casero, I. 75

Sicilia, D., see Morales, F. 87

Simpson, S.L., see Downard, A.J. 5

Smyth, M.R., see Lu, B. 59

Takahashi, T., see Hiyama, T. 131

Tong, S.Y., see Huang, C.Z. 235

Vicente-Beckett, V., see Bond, A.M. 67

Villamil, M.J.F.

-, Ordieres, A.J.M. and Blanco, P.T.

Immobilized enzyme electrode for the determination of L-lactate in food samples 37

Visser, T., see Luinge, H.J. 173

Walker, D.S., see Gemperline, P.J. 155

Wallach, J., see Louis, D. 219

Wang, E., see Liu, Z. 147

Whitehouse, M.J.

- and Preston, M.

A flexible computer-based technique for the analysis of data from a sea-going nutrient autoanalyser 197

Xi, X., see Liu, Z. 147

Xiaoyun, Y., see Shouan, D. 243

Yamaguchi, Y., see Yamane, T. 139

Yamane, T.

- and Yamaguchi, Y.

Complex formation of 2-(5-nitro-2-pyridylazo)-5-(N-propyl-Nsulfopropylamino)phenol with lead, cadmium and manganese for their sensitive spectrophotometric detection in flow injection and ion chromatography systems 139

Zhou, X.C.

-, Ng, S.C., Chan, H.S.O. and Li, S.F.Y.

Piezoelectric sensor for detection of organic amines in aqueous phase based on a polysiloxane coating incorporating acidic functional groups 29